Check Valves

Sync-Lok Check Valves are specially designed & manufactured for flow control of fluids and gasses in corrosive & hazardous environment. These valves are used in process control, instrumentation and flow control applications.

Valves are precision machined with designer durability and maximum efficiency to proven high quality and low cost alternatives in fluid and gaseous control systems or different applications, to meet the excat standards of our customers growing demands.

Features

Available in High Grade Stainless Steel and Brass material.

Variety of end connections includes Male / Female threaded NPT, BSP, BSPT, ISO, DIN, JIS tapered pipe ends and compression fitting ends.

100% factory tested for both crack & reseal.

Complete heat traceability.

Material of Construction

Sr No	Part	Qty	Material
1	Body (Outlet)	1	A479-316 S.S / Alloy B16, Copper Alloy #360
2	Body (Inlet)	1	A479-316 S.S / Alloy B16, Copper Alloy #360
3	Spring	1	302 S.S / A313
4	'O' Ring	1	Viton / Buna N
5	Poppet	1	A479-316 S.S / Alloy B16, Copper Alloy #360
6	Back Ferrule	1	316 S.S / Alloy B16, Copper Alloy #360
7	Front Ferrule	1	316 S.S / Alloy B16, Copper Alloy #360
8	Nut	1	316 S.S / Alloy B16, Copper Alloy #360
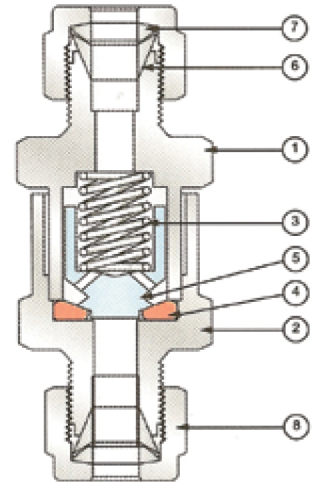
Optional TFE coated springs and elastomer seal are available upon request

Pressure / Temperature Ratings

Pressure Rating

316SS	1/8" to 3/4"	5000 psig CWP (345 bar)
	1"	3000 psig CWP (207 bar)
Brass	1/8" to 1"	3000 psig CWP (207 bar)

Working Temperatures

Viton Seal	-15° F to 375° F (-26° C to 190° C)
Flurocarbon Rubber	-15° F to 400° F (-26° C to 204° C)
Buna -N Rubber	-30° F to 275° F (-34° C to 135° C)
Neoprene Rubber	-45° F to 250° F (-43° C to 121° C)

Orifice- 1.078" to 0.656" 92.0mm to 16.7mm)

Cv Factor - 0.18 to 6.56

Choice of fixed pressure cracking points from 1/3 to 25 psi (.02 to 1.75 bar) or as per customer requirements.

Note: Valves may initially crack at higher than the set cracking pressure if they are not actuated for a long period of time.